

S U D A A N

Software for the Statistical Analysis of Correlated Data
 Copyright Research Triangle Institute February 2005
 Release 9.0.1

Number of zero responses : 5873

Number of non-zero responses : 3271

Independence parameters have converged in 7 iterations

Number of observations read	: 19759	Weighted count:278652243
Number of observations skipped	: 1245	
(WEIGHT variable nonpositive)		
Observations in subpopulation	: 9471	Weighted count:192513425
Observations used in the analysis	: 9144	Weighted count:192513425
Denominator degrees of freedom	: 29	

Maximum number of estimable parameters for the model is 3

File ANALYSIS_DATA contains 57 Clusters

57 clusters were used to fit the model

Maximum cluster size is 240 records

Minimum cluster size is 92 records

Sample and Population Counts for Response Variable HYPER

0:	Sample Count	5873	Population Count	135364645
1:	Sample Count	3271	Population Count	57148780

R-Square for dependent variable HYPER (Cox & Snell, 1989): 0.214370

-2 * Normalized Log-Likelihood with Intercepts Only : 11122.34

-2 * Normalized Log-Likelihood Full Model : 8916.18

Approximate Chi-Square (-2 * Log-L Ratio) : 2206.16

Degrees of Freedom : 2

Note: The approximate Chi-Square is not adjusted for clustering.
 Refer to hypothesis test table for adjusted test.

Date: 11-06-2006
Time: 14:05:05

Research Triangle Institute
The LOGISTIC Procedure

Page : 1
Table : 1

Frequencies and Values for CLASS Variables
by: Age groups, 20-39, 40-59, 60+.

Age groups,		
20-39, 40-		
59, 60+	Frequency	Value

Ordered		
Position:		
1	3412	1
Ordered		
Position:		
2	2825	2
Ordered		
Position:		
3	3234	3

Date: 11-06-2006
Time: 14:05:05

Research Triangle Institute
The LOGISTIC Procedure

Page : 2
Table : 1

Variance Estimation Method: Taylor Series (WR)
SE Method: Robust (Binder, 1983)
Working Correlations: Independent
Link Function: Logit
Response variable HYPER: Indicates if have hypertension
For Subpopulation: RIDAGEYR >= 20
Univariate Association of Age and Odds of Hypertension
by: Independent Variables and Effects.

Independent Variables and Effects	Beta Coeff.	SE Beta	Lower 95% Limit Beta	Upper 95% Limit Beta	T-Test B=0	P-value T-Test B=0
Intercept	-0.85	0.07	-0.98	-0.71	-12.91	0.0000
Age groups, 20-39, 40-59, 60+						
20-39 yrs	-1.57	0.13	-1.84	-1.31	-12.21	0.0000
40-59 yrs	0.00	0.00	0.00	0.00	.	.
60 + yrs	1.53	0.07	1.38	1.69	20.52	0.0000

Date: 11-06-2006
Time: 14:05:05

Research Triangle Institute
The LOGISTIC Procedure

Page : 3
Table : 1

Variance Estimation Method: Taylor Series (WR)
SE Method: Robust (Binder, 1983)
Working Correlations: Independent
Link Function: Logit
Response variable HYPER: Indicates if have hypertension
For Subpopulation: RIDAGEYR >= 20
Univariate Association of Age and Odds of Hypertension
by: Contrast.

Contrast	Degrees of Freedom	S_waite		P-value		P-value	
		Adj	DF	Adj	F	Adj	ChiSq
OVERALL MODEL	3	2.43		285.70	0.0000	695.09	0.0000
MODEL MINUS INTERCEPT	2	1.75		355.59	0.0000	622.58	0.0000
INTERCEPT
AGE	2	1.75		355.59	0.0000	622.58	0.0000

Date: 11-06-2006
Time: 14:05:05

Research Triangle Institute
The LOGISTIC Procedure

Page : 4
Table : 1

Variance Estimation Method: Taylor Series (WR)
SE Method: Robust (Binder, 1983)
Working Correlations: Independent
Link Function: Logit
Response variable HYPER: Indicates if have hypertension
For Subpopulation: RIDAGEYR >= 20
Univariate Association of Age and Odds of Hypertension
by: Contrast.

Contrast		
		P-value
	Wald F	Wald F

OVERALL MODEL	299.15	0.0000
MODEL MINUS		
INTERCEPT	448.00	0.0000
INTERCEPT	.	.
AGE	448.00	0.0000

Date: 11-06-2006
Time: 14:05:05

Research Triangle Institute
The LOGISTIC Procedure

Page : 5
Table : 1

Variance Estimation Method: Taylor Series (WR)
SE Method: Robust (Binder, 1983)
Working Correlations: Independent
Link Function: Logit
Response variable HYPER: Indicates if have hypertension
For Subpopulation: RIDAGEYR >= 20
Univariate Association of Age and Odds of Hypertension
by: Independent Variables and Effects.

Independent			
Variables and		Lower 95%	Upper 95%
Effects	Odds Ratio	Limit OR	Limit OR

Intercept	0.43	0.38	0.49
Age groups, 20-39,			
40-59, 60+			
20-39 yrs	0.21	0.16	0.27
40-59 yrs	1.00	1.00	1.00
60 + yrs	4.63	3.98	5.40
